

WHAT IS CLAIMED IS:

1. A method for modeling a constraint relationship, comprising:
5 receiving data;
 identifying a solution space corresponding to the data;
 setting rules for evaluating constraint relationships of the data and for navigating
the solution space; and
 generating cross-domain logical response engines corresponding to a navigation
of the solution space.

10 2. A method according to claim 1, wherein the receiving data comprises receiving an
electronic data file.

15 3. A method according to claim 1, wherein the data corresponds to at least one of a
product offering and a service offering.

20 4. A method according to claim 3, wherein the data comprises a service description of a
service and bill of particulars for the service if the at least one offering includes the
service, and a product description of a product and a bill of materials for the product if
the offering includes the product.

25 5. A method according to claim 1, wherein the identifying comprises forming a data
organization according to at least one of complimentary product options and limiting
product options.

30 6. A method according to claim 5, wherein the forming a data organization comprises
adding data references.

7. A method according to claim 5, wherein the data organization is a tree structure.

8. A method according to claim 1, wherein the rules comprise logical operators.

9. A method according to claim 3, wherein the generating comprises generating a product configurator for enabling a user to select from among product options of a product if the offering includes the product, and for selecting from among service options of a service if the offering includes the service.

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10. A method according to claim 10, wherein the product options include package options and non-package options.

11. A method according to claim 10 wherein a user selection of a package option
10 excludes a non-package option.

12. A method according to claim 1, wherein the generating generates an order entry system operable according to the rules.

15 13. A method according to claim 13, wherein the solution space further comprises a supply checking system for determining whether a product including selected options can be supplied.

20 14. A method according to claim 1, wherein the modeling models a constraint relationship of configuration information applicable to a configuration manager and one or more inter-entity systems implemented as a virtual agent network.

15. A system for modeling a constraint relationship, comprising:

means for receiving data;

25 means for identifying a solution space corresponding to the data;

means for setting rules for evaluating constraint relationships of the data and for navigating the solution space; and

means for generating cross-domain logical response engines corresponding to a navigation of the solution space.

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